

Converting Colors

$Yxy(38.8784, 0.2380, 0.3000)$

Have a look what the booklet for
Yxy(38.8784, 0.2380, 0.3000)
contains.

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Color

Yxy(38.9397, 0.2378, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	5AB4C7
RGB	90, 180, 199
RGB Percent	35%, 71%, 78%
CMY	0.6471, 0.2941, 0.2196
CMYK	0.55, 0.10, 0.00, 0.22
HSL	190°, 49%, 57%
HSV	190°, 55%, 78%
XYZ	30.8456, 38.9397, 59.9272
YIQ	155.2560, -59.7390, -13.1710

Conversions

Conversions Part 2

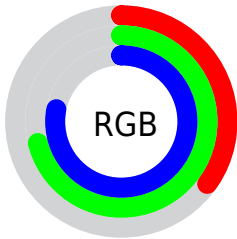
Format	Color
RYB	90, 139, 199
Decimal	5944519
CIELab	68.71, -21.52, -17.85
CIElCh	69, 27.960, 219.685
Yxy	38.9397, 0.2378, 0.3002
Android (android.graphics.Color)	4284134599 (0xFF5AB4C7)
YUV	155.2560, 21.5658, -57.2295
Hunter-Lab	62.4017, -20.9690, -13.2577

Details

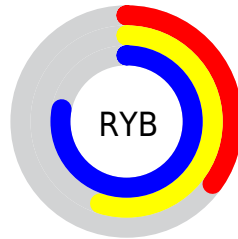
The Yxy color **38.9397, 0.2378, 0.3002** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **23.8158, 0.4585, 0.3538**, and the grayscale version is **32.8193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5068, 0.2517, 0.3071**, and **17.3615, 0.2169, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **36.6903, 0.2282, 0.2940**, and if you desaturate by 10%, it is **41.4941, 0.2491, 0.3062**.

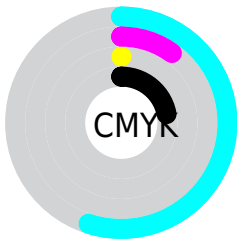
Distribution



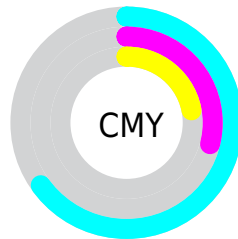
- Red (35%)
- Green (71%)
- Blue (78%)



- Red (35%)
- Yellow (55%)
- Blue (78%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)





- Cyan (65%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9397, 0.2378, 0.3002 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.9397, 0.2378, 0.3002 by changing the saturation by 10% instead.

 38.9397, 0.2378,
0.3002

 38.9397, 0.2378,
0.3002


341.6341, 0.2753,
0.3159


 26.7128, 0.2285,
0.2959


 73.5462, 0.2514,
0.3062

 17.3577, 0.2167,
0.2901


 96.6946, 0.2565,
0.3084

 10.4898, 0.2012,
0.2821


 124.2523, 0.2608,
0.3102

 5.7249, 0.1801,
0.2702

 156.6037, 0.2645,
0.3117

 2.6785, 0.1499,
0.2513

194.1332, 0.2677,
0.3130

 0.9663, 0.0896,
0.2214

237.2251, 0.2706,

 0.0000, 0.0000,

0.3141

0.0000

286.2640, 0.2730,
0.3151

■ 38.9397, 0.2378,
0.3002

■ 38.9397, 0.2378,
0.3002

■ 36.6903, 0.2282,
0.2940

■ 41.4941, 0.2491,
0.3062

■ 34.7195, 0.2204,
0.2878

■ 44.3689, 0.2618,
0.3119

■ 33.0033, 0.2145,
0.2815

■ 47.5834, 0.2756,
0.3173

■ 31.5105, 0.2106,
0.2753

■ 51.1541, 0.2903,
0.3223

■ 30.7895, 0.2089,
0.2721

■ 55.0962, 0.3054,
0.3269

■ 59.4242, 0.3207,
0.3311

■ 64.1515, 0.3361,
0.3349

■ 69.2910, 0.3512,
0.3382

■ 72.0836, 0.3550,
0.3417

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9397, 0.2547, 0.3392



38.9397, 0.2378, 0.3002



38.9397, 0.2393, 0.2730

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.9397, 0.2378, 0.3002



38.9397, 0.3352, 0.2865



38.9397, 0.3663, 0.4007

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.9397, 0.2378, 0.3002



23.8158, 0.4585, 0.3538

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.9397, 0.3910, 0.3803



38.9397, 0.2378, 0.3002



38.9397, 0.3731, 0.3155

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.9397, 0.2378, 0.3002



38.9397, 0.2932, 0.2673



38.9397, 0.3939, 0.3490



38.9397, 0.3280, 0.4012

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.9397, 0.2378, 0.3002



38.9397, 0.2504, 0.2638



38.9397, 0.3939, 0.3490



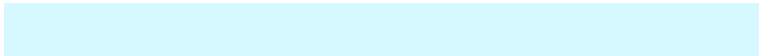
38.9397, 0.3766, 0.3957

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.9412, 0.2378, 0.3002



88.6125, 0.2881, 0.3216



44.1093, 0.2949, 0.4755



18.6801, 0.2850, 0.3206



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9412, 0.2378, 0.3002



63.4424, 0.2263, 0.2927



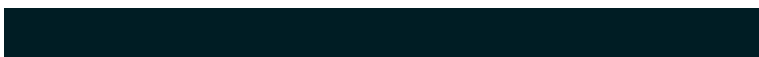
21.3019, 0.2196, 0.2123



11.7408, 0.2984, 0.3249



19.9108, 0.2092, 0.2729



1.0279, 0.2127, 0.2858

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.7484, 0.3412, 0.2189



33.5005, 0.3493, 0.2007



38.9573, 0.4153, 0.4209



10.7837, 0.3164, 0.3101



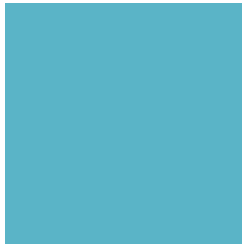
9.5500, 0.3701, 0.1812



0.4608, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 38.9397, 0.2378, 0.3002 looks on a white background.

Color Contrast Check

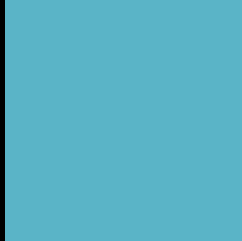
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.9397, 0.2378, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

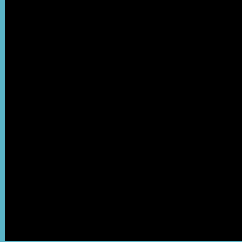
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9397, 0.2378, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 38.9397, 0.2378, 0.3002.



This preview shows how white text looks on a background with the Yxy color 38.9397, 0.2378, 0.3002.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.9397, 0.2378, 0.3002

Protanopia

38.3709, 0.2911, 0.2959

Deuteranopia

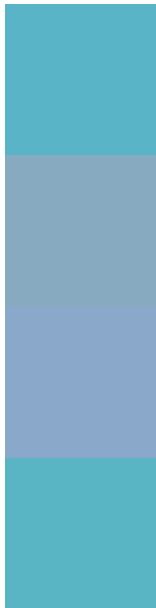
38.5055, 0.2819, 0.2755



Tritanopia

39.1117, 0.2398, 0.3075

Trichromacy



Original Color

38.9397, 0.2378, 0.3002

Protanomaly

37.8339, 0.2669, 0.2957

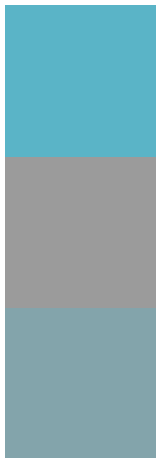
Deuteranomaly

38.0435, 0.2622, 0.2824

Tritanomaly

39.1571, 0.2392, 0.3061

Monochromacy



Original Color

38.9397, 0.2378, 0.3002

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.3165, 0.2780, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9397, 0.2378, 0.3002 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(90, 180, 199)` looks like.

```
.text, #text, p{  
    color:rgb(90, 180, 199)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(90, 180, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 180, 199) }
```

Border

The CSS property to change the border of an element to Yxy 38.9397, 0.2378, 0.3002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 180, 199) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(90, 180, 199) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(90, 180, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 180, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 180, 199);  
box-shadow:4px 4px 4px 4px rgb(90, 180,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9397, 0.2378, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 180, 199) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(90, 180,  
199) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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